

ABSTRACT

The present invention aims to provide
5 electroconductive fine particles having excellent
electrical conductivity with fewer pinholes in a gold
coating, a method of producing the electroconductive fine
particles, which are cyan-free type with a plating bath
excellent in stability, and an anisotropic
10 electroconductive material using the electroconductive fine
particles.

The present invention is an electroconductive fine
particle, which has a gold coating formed by electroless
gold plating on the surface of a nickel undercoating, the
15 amount of nickel dissolved in a dissolution test of the
electroconductive fine particle with nitric acid being 30
to 100 $\mu\text{g/g}$; a method of producing the electroconductive
fine particle, wherein the method allows a reducing agent,
causing oxidation reaction on the surface of a nickel
20 undercoating but not causing oxidation reaction on the
surface of gold as deposited metal, to be present on the
surface of the nickel undercoating thereby reduces a gold
salt to deposit gold; and an anisotropic electroconductive
material, which comprises the electroconductive fine
25 particle dispersed in a resin binder.